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I. Keys and connections

►■: Play/Pause
►►■: Next, Forward
■◀◀: Last, Rewind
MENU: Menu-button
REC: Recording-button
Vol +: increase volume
Vol -: decrease volume
III: ON/OFF

With Microphone, earphone jack and USB-port (push-button for the USB-port)

LCD-Display

The following items are displayed:

EQ-Mode, Bit/File Format, Repeat Mode, Volume Indicator, Battery Indicator, Mode Icon, Artist and song name, Dance Movement, Number of songs, Play Time, Song No. and Total Time.

Power on/off

If you want to turn the Mp3-player on, please make sure that the main power button is on the position "on". Short press the Play-button (►■), the introduction sequence appears on the display and the internal illumination will go on. The player is now ready for use.

Press the Play-button and the ending sequence appears on the display, indicating that the player is turned off.

II. Description of key-functions

1. On/Off (on/play/pause/stop/off button)

Press this button when the player is turned off, in order to turn the player on.

When the player is turned on

short press for Pause
long press for Stop

When the player is in Standby-Mode

short press for Play
long press, in order to turn the player off

Please note:

After the introduction sequence, go to the main menu and select the Music-Mode. Short press the Menu-button to enter the Music-Mode. The player then displays the current title, total title, play time, battery-indicator and play back information, as well as the ID of the current track. Now, you will have to press the Play-button, in order to start the play back.

2. Next / fast forward (▶▶)

While in Play back-Mode

Short press this button, in order to forward to the next track; if you have reached the last title, the player will automatically go forward to the first title.

Long press this button, in order to fast forward.

While in Menu-Mode

Press this button, in order to go forward in the menu.

3. Last / fast rewind (◀◀)

While in Play back-Mode

Short press this button, in order to go back to the previous track; if you have reached the first title, the player will automatically go back to the last title.

Long press this button, in order to rewind fast.

While in Menu-Mode

Press this button, in order to go back in the menu.

4. Menu-Button (MENU)

While in Play back-Mode or if the player is ready for use, press this button to enter the main menu, see menu operation.

5. Recording-button (REC)

While in Play back-Mode:

Press this button, in order to set the A-B Replay, Follow Read Function or Comparison Function (for details, please read on)

Please note:

The following modes are available: Normal, Repeat one, Folder, Repeat Folder, Repeat all, Random, Intro.

While in Recording-Mode

Press this button one time, and the player will start recording. Press this button again, and the recording is finished.

6. VOL +

Short press this button to increase the volume by one step.

Long press this button to increase the volume stepwise.

7. VOL -

Short press this button to decrease the volume by one step.

Long press this button to decrease the volume stepwise.

8. Main power button

Slide this button to the position "on", in order to turn the player on.

Slide this button to the position "off", in order to turn the player off.

Please always remember to have this button on "off", if the player is not used.

III. Menu operation

Press the **Menu**-button, when the player is turned on, in order to enter the main menu.

Key-functions for the Menus are as follows:

▶▶▶ (Next): Next menu option; if you have reached the last menu item, the player will automatically go forward to the first item.

◀◀◀ (Last): Last menu option; if you have reached the first menu item, the player will automatically go back to the last item again.

Menu-button: to enter the selected menu.

1. Main Menu

Music
Record
Voice
FM Radio
Phone Book
Text
System Setup

2. Submenus

Music

Play-Status:

Repeat	<ul style="list-style-type: none">• Normal (playing files in current folder in normal sequence)• Repeat one (only one music-file is played repeatedly)• Folder (plays all music-files in the current folder in sequence)• Repeat Folder (all music-files in the current folder are played repeatedly)• Repeat All (all music-files are played repeatedly)• Random (plays music-files in the current folder randomly)• Intro (only the first 10 seconds of every music-file are played)
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Equalizer	<ul style="list-style-type: none">• Natural (Normal)• Rock• Pop• Classic• Soft• Jazz• DBB
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Tempo rate
Replay (A-B Replay)
Replay Times
Replay gap
Exit

Stop-Status:

Local folder
Delete file NO/YES
Delete all NO/YES
Exit

Record

Stop-Status:

Local folder
REC type • Fine REC
• Long REC
• Fine VOR
• Long VOR
Exit

Voice

Play-Status:

Repeat • Normal (playing files in current folder in normal sequence)
• Repeat one (only one music-file is played repeatedly)
• Folder (plays all music-files in the current folder in sequence)
• Repeat Folder (all music-files in the current folder are played repeatedly)
• Repeat All (all music-files are played repeatedly)
• Random (plays music-files in the current folder randomly)
• Intro (only the first 10 seconds of every music-file are played)
Tempo rate
Replay (A-B Replay)
Exit

Stop-Status:

Local folder
Delete file NO/YES
Delete all NO/YES
Exit

FM Radio (only for certain models)

Stop-Status:

Save

Record	<i>Stop-Status:</i>	• Local Folder
		• REC type
		◆ 32K BPS
		◆ 64K BPS
		• Exit

Delete NO/YES

Delete All NO/YES

Normal Band

Japan Band

Auto Search

Search Level

Exit

Phone Book

Browse Tel

Import Tel file Confirm YES NO

Export Tel file Confirm YES NO

Exit

Text

browse file

browse speed

continue browse

Local folder

Exit

System Setup

Record Time

Screen Protect Time

Screen Picture select different pictures

Language	<ul style="list-style-type: none">• Simple Chinese• English• Trad Chinese• Japanese• Korean• French• German• Italian• Dutch• Portuguese• Spanish• Russian• Arabic• Thai• Swedish• Danish• Czech• Polish• Slovakian• Serbo Croatian• Hungarian• Romanian• Turkish• Slovenian• Hebrew
Power off	<ul style="list-style-type: none">• Off time• Sleep time
Replay Mode	<ul style="list-style-type: none">• Manual replay• Auto replay
Contrast	
Online Mode	<ul style="list-style-type: none">• Multi Drive• Normal Only• Encrypted Only
Memory info.	
Firmware version	
Firmware upgrade	
Exit	

IV. Key-Functions

- Music-Mode and Voice-Mode

Keys	Operation	Stop-Status	Play-Status	<i>Play</i> Submenu	<i>Stop</i> Submenu
PLAY	Long press	Power off	Power off	Power off	Power off
	Press	Play	Stop	exit the menu	exit the menu
MENU	Long press	enter the main menu	enter the main menu	enter the main menu	enter the main menu
	Press	enter <i>Stop</i> submenu	enter <i>Play</i> submenu	confirm current option or enter next submenu	confirm current option or enter next submenu
NEXT	Press	next song	play next song	switch submenu	switch submenu
	Long press	continuous forward	fast forward	continuous forward	continuous forward
LAST	Press	previous song	play previous song	switch submenu	switch submenu
	Long press	continuous backward	fast backward	continuous backward	continuous backward
VOL +	Press	increase volume step by step	increase volume step by step	---	---
	Press longer	increase volume continuously	increase volume continuously	---	---
VOL -	Press	decrease volume step by step	decrease volume step by step	---	---
	Press longer	decrease volume continuously	decrease volume continuously	---	---

- Recording Mode

Keys	Operation	Stop-Status	Recording-Status
PLAY	Long press	Power off	stop recording
REC	Press	start recording	pause recording
MENU	Long press	enter the main menu	--
	Press	enter <i>REC</i> submenu	--

- FM-Mode

Keys	Operation	FM-Menu	FM-Submenu
PLAY	Long press Press	Power Off if stations already exist: next station; without already existing stations: not possible	Power Off exit the menu
MENU	Long press Press	enter main menu enter submenu	enter main menu confirm current option or enter next submenu
NEXT	Press	increase gradually with 100 KHz steps or stop search	switch submenu
	Long press	increase search by 100 KHz continuously	continuous forward
LAST	Press	decrease gradually with 100 KHz steps or stop search	switch submenu
	Long press	decrease search by 100 KHz continuously	continuous backward
VOL +	Press Press longer	increase volume step by step increase volume continuously	--- ---
VOL -	Press Press longer	decrease volume step by step decrease volume continuously	--- ---

V. Playing music and recorded files (when selecting the music record type)

Basic Operation

1. Long press the **Play**-button to turn the power on and then enter the Music-Mode. Press the **Play**-button again to play music.
2. Select the desired music
Last-button: select the previous title
Next-button: select the next title
3. Volume adjustment
Vol + button: increase volume
Vol - button: decrease volume

Equalizer-Mode

1. While playing music:
2. Press the **Menu**-button to enter the Play-Submenu.
3. Press the **Next**-button to go to the Equalizer-Menu.
4. Press the **Menu**-button to enter the Equalizer-Menu.
5. Press the **Next**-button to choose the desired Equalizer sound and press the **Menu**-button for confirmation and to exit the current menu.

Equalizer Options:

- Natural (Normal)
- Rock
- Pop
- Classic
- Soft
- Jazz
- DBB

Lyric Synchronous Display (Karaoke Function)

This player supports ".LRC" lyric files (users may download from <http://www.51lrc.com>) and the lyrics can be displayed synchronously while playing music.

How to use lyric files?

Save the lyric file under the same name as that of the corresponding music file.

e.g. Music file name: GiGi-Sky.mp3

Lyric file name: GiGi-Sky.mp3

How to find out, whether lyrics exist or not?

If there are no lyrics to match the currently played song, the icon on the left top in the Music-Mode will change.

Voice Recording

The player can save up to 99 recorded files in each directory!

1. Enter the main menu.
2. Press the **Next-** or **Last-**button to go to the menu-item "Record".
3. Short press the **Menu-**button to enter the Record-menu.
4. Press the **REC-**button or **Play-**button to start recording. Short press the **REC-**button or **Play-**button to pause and continue record. Long press the **REC-**button or **Play-**button to stop recording. "Saving..." will appear in the display and the recording is saved.
5. Long press the **Menu-**button to exit the current menu.

The recording is saved in the current directory, that was set in "REC Stop-Submenu/main directory"!

If "Space Full" is displayed, then there is no more space available to record new files. Delete other files to create some space!

If "Directory Full" is displayed, then there are 99 recorded files in the directory. Please select another directory!

Select REC type

1. In Stop-Mode (Record-menu), short press the **Menu-**button to enter the Record-submenu.
2. Press the **Next-**button to go to the menu-item "REC type".
3. Short press the **Menu-**button to enter the REC type-menu.
4. Press the **Next-**button to select your desired REC type and press the **Menu-**button for confirmation and to exit the current menu.
5. Press the **REC-**button or **Play-**button to start recording.

REC type details:

Fine REC: SP recording, WAV-format and good quality

Long REC: LP recording, ACT-format and average quality

Fine VOR: SP voice-control (voice-control: recording is paused if there is no sound), WAV-format

Long VOR: LP voice-control, ACT-format

Convert the ACT voice recordings into WAV-format

If you would like to listen to your voice-recordings on your computer, you will first have to convert them to WAV-format.

The converter can be found on the CD-ROM, included in the delivery.

Insert the CD-ROM and open the "act to wav CONVERTOR" folder. Double click on the application for installation. Go to the programms and select "USB Flash Disk Utilities" and then "Sound Convert".

The Conversion then will start.

This will allow you to convert voice-recordings into WAV or MP3 files.

VI. FM-Radio (only for certain models)

1. Enter the main menu.
2. Press the **Next**-button to go to the FM-menu.
3. Press the **Menu**-button to enter the FM-menu.

Automatic Search

Long press the **Next**- or **Last**-button for about 2 seconds. The player will automatically select the next/last available station.

Manual Search

Short press the **Next**- or **Last**-button and the player will go forward or backward step by step.

4. Press the **Menu**-button again, in order to enter the FM-Submenu

- **Automatic Search (Auto Search)**

In the FM-submenu, select "Auto Search" and press the **Menu**-button for confirmation. Then the player can automatically scan frequencies between 87.5 MHz and 108 MHz and save the scanned stations. Or see Automatic Search above.

- **Manual Search**

Press the **Last**-button: backward by 100 KHz

Press the **Next**-button: forward by 100 KHz

- **Saving the manually searched stations**

Press the **Menu**-button to enter the FM-submenu and go to "Save" (**Next**- or **Last**-button). Again press the **Menu**-button to save the current station.

- **Listening to the saved stations**

If more than one station exists, press the **Play**-button to listen to the stations in sequence.

- **Volume adjustment**

VOL +: increase volume

VOL -: decrease volume

- **FM Recording**

Select the desired radio station. Press the **Menu**-button to enter the FM-submenu. Press the **Next/Last**-button to go to the menu-item "REC type". Press the **Menu**-button to enter the REC type-menu. Select your desired recording-mode (32 or 64 K Bps) and press the **Menu**-button for confirmation and to exit the current menu.

Note:

The player supports US Band (FM 87 – 108 MHz) and Japan Band (FM 76 – 90 MHz), suitable for different areas. (Press the **Menu**-button to enter the FM-Submenu and press the **Next**-button to select the desired frequency channel)

If the current station is in STEREO, this icon "S" will be displayed.

For deleting saved stations, please see the section "Deleting Files".

VII. Phone Book

1. Enter the main menu.
2. Press the **Next**-button, to go to the menu-item "Phone Book".
3. Press the **Menu**-button to enter the Phone Book-menu.

Submenu Options:

- **Browse Tel.**

The user can browse the Phone Book information of the MP3-player

- **Import Tel file**

Using the telephone directory processing tool can create the Tel. Book file Tel_save.bin in the PC; put it then into the root directory of the U-disk and this function can "import" it to the MP3-player.

- **Export Tel file**

This function can "export" the Tel. book information from the MP3-player and saving it will make a readable text file of Tel_Expt.bin in the root directory of the U-disk.

- **Exit**

Leave this mode and go back to the main menu.

VIII. Text reader

1. Enter the main menu.
2. Press the **Next**-or **Last**-button, to go to the menu-item "Text".
3. Press the **Menu**-button to enter the Text-menu.
4. Select a menu-item.
5. Press the **Menu**-button to enter the Text-Mode.

 Press the **Play**-button to turn pages backward.

 Press the **Last**-button to turn pages forward.

 Press the **Next**-button to turn pages backward.

6. Text selection

 Press the **Menu**-button to enter the submenu.

 Select the directory by pressing the **Menu**-button again.

 Press the **Menu**-button to select the desired text.

Note:

The text-reader only supports .txt and .lrc format.

IX. System Setup

1. Enter the main menu.
2. Press the **Next- or Last**-button to go to the menu-item "System Setup".
3. Press the **Menu**-button to enter the System Setup-menu.

• Parameter Introduction

Record Time	Set the time and date, when the recorded files are saved
Screen Protect Time	Set a fixed time, after which the player will turn off the display (blank screen)
Screensaver picture	Select picture
Language	Select your desired language
Power Off	Set a fixed time (minutes), after which the player will be turned off automatically
Replay Mode	Auto/Manual Replay
Contrast	Set the desired contrast level of the display
Online-Mode	Function, especially created for "private space"
Memory info.	Shows the total memory capacity and the percentage that has been used
Firmware version	Shows the firmware version
Firmware upgrade	Special function for upgrading the firmware
Exit	exit the current menu

• Detailed Instructions

◆ "Record Time"

1. Go to the System Setup-menu. Press the **Menu**-button to enter the System Setup-menu.
2. Press the buttons **Next/Last** to go to the menu-item "Record Time". Press the **Menu**-button to enter the Record Time-menu.
3. Press the **Vol +** -button to set the time in the sequence of "YY-MM-DD" (Press the **Vol -** -button to set the time in the opposite sequence).
4. Press the **Next- or Last**-button to adjust the numbers increasing / decreasing numbers
5. Short press the **Menu**-button for confirmation and to exit the current menu.

◆ "*Screen Protect Time*"

"Screen Protect Time" refers to a certain time, after which the display of the player turns itself off automatically, if there is no operation on the keys. If "0" is selected, then this function is invalid.

1. In the Menu "System Setup", press the buttons **Next/Last** to go to the menu-item "Screen Protect Time".
2. Short press the **Menu**-button to enter the "Screen Protect Time"-menu.
3. Press the buttons **Next/Last** in order to set the desired time.
4. Short press the **Menu**-button for confirmation and to exit the current menu.

◆ "*Screensaver Picture*"

1. In the menu-item "System Setup", press the buttons **Next/Last** to go to the menu-item "Screensaver Picture".
2. Short press the **Menu**-button to enter the "Screensaver Picture"-menu.
3. Press the buttons **Next/Last** in order to select the desired picture.
4. Short press the **Menu**-button for confirmation and to exit the current menu.

◆ *"Language" Settings*

1. In the System Setup-menu, press the buttons **Next/Last** to go to the menu-item "Language".
2. Short press the **Menu**-button to enter the Language-menu.
3. Press the buttons **Next/Last** to select the desired language.
4. Short press the **Menu**-button for confirmation and to exit the current menu.

◆ *"Power off"*

1. In the System Setup-menu, press the buttons **Next/Last** to go to the menu-item "Power off".
2. Short press the **Menu**-button to enter the menu.
3. Press the buttons **Next/Last** to select "Off Time" or "Sleep Time".
4. Short press the **Menu**-button for confirmation and to exit the current menu.

"Off Time" means, that after a fixed period of time (unit: seconds), when there is no operation on the keys at the Stop-Mode, the player turns itself off automatically in order to save energy (not during playback and recording). If "0" is selected, the energy saving function is invalid.

"Sleep Time" means, that you can set a fixed period of time (unit: minutes) for the player to turn itself off automatically, when there is no operation on the keys, no matter which mode the player is in. This function was especially designed to be able to listen to music before sleeping.

Note: Setting "Sleep Time" is only valid once and the set time will be cleared after the power was turned off. "Sleep Time" then needs to be set again the next time.

◆ *"Replay mode"*

1. In the System Setup-menu, press the buttons **Next/Last** to go to the menu-item "Replay mode".
2. Short press the **Menu**-button to enter the menu.
3. Press the buttons **Next/Last** to select "Manual replay" or "Auto replay".
4. Short press the **Menu**-button for confirmation and to exit the current menu.

Manual replay

"Manual replay" means, that in the A-B Replay-Mode, the endpoint B can only be set manually.

Auto replay

"Auto(matic) replay" means that in the A-B Replay-Mode, the endpoint B will be set automatically (especially for English Reading files without music).

◆ *"Contrast"*

1. In the System Setup-menu, press the buttons **Next/Last** to go to the menu-item "Contrast".
2. Short press the **Menu**-button to enter the menu.
3. Press the buttons **Next/Last** to select your desired contrast-level.
4. Short press the **Menu**-button for confirmation and to exit the current menu.

◆ *"Online Mode"*

Some operating systems (under Windows 2K SP4) cannot support two driver letters on one USB-disk. Therefore, if you are in the "private space" function, select which disk you are going to use, i.e. "normal only" or "encrypted only", for a correct display of the selected disk after connection to a PC.

1. In the System Setup-menu, press the buttons **Next/Last** to go to the menu-item "Online Mode".
2. Short press the **Menu**-button to enter the menu.
3. With the buttons **Next/Last**, you are able to switch between the following options:
 - Multi Drive
 - Normal Only
 - Encrypted Only
4. Short press the **Menu**-button for confirmation and to exit the current menu.

◆ ***"Memory info."***

1. In the System Setup-menu, press the buttons **Next/Last** to go to the menu-item "Memory info."
2. Short press the **Menu**-button to enter the menu-item "Memory info.".

The number displayed represents the total memory capacity and the percentage refers to the capacity used.

3. Short press the **Menu**-button for confirmation and to exit the current menu.

◆ ***"Firmware version"***

1. In the System Setup-menu, press the buttons **Next/Last** to go to the menu-item "Firmware version".
2. Short press the **Menu**-button to enter the menu-item "Firmware version".

The currently used firmware version is displayed.

3. Short press the **Menu**-button for confirmation and to exit the current menu.

◆ ***"Firmware upgrade"***

1. In the System Setup-menu, press the buttons **Next/Last** to go to the menu-item "Firmware upgrade".
2. Short press the **Menu**-button to enter the menu-item "Firmware upgrade".

This function was especially designed for the Firmware Upgrade.

3. Short press the **Menu**-button for confirmation and to exit the current menu.

Caution:

- Firmware Upgrade is an operation to enhance and optimize the performance of the player. If the if Firmware Upgrade wasn't performed, there is no influence on the normal operation of the player.
- Incorrect operation of Firmware Upgrade may cause the player to work abnormally. Please read the manual carefully before operation and a Firmware Upgrade should be operated by people with basic knowledge in computer operation.
- The upgrading firmware is especially programmed for this player only and is not suitable for other players, and another firmware is not suitable for this player.

◆ ***Exit***

X. USB-Disk

The player supports standard USB-disk function with the operating systems Windows 98 (driver needed), Windows 2K and above (driver free).

The player supports power supply through USB, so it can be operated without a battery.

How to connect the player to a PC?

Turn the player on and connect it to a PC.

The player will display three modes after being connected to a PC:

1. Standby-Status

2. Uploading-Status

3. Downloading-Status

Create new folder

99 songs can be saved per folder (or directory). If you want to copy more than 99 songs into your MP3-player, you will have to create a new folder (or directory).

Simply go to "my computer" and open the external hard drive that represents your MP3-player.

To create a new folder (or directory): right click on any blank area, then select "New Folder" from the resulting menu.

You can create up to 10 folders (including the ROOT-folder) with up to 99 songs per folder.

XI. Other Settings

• Select different directories/folders (at Stop-submenu)

Users can save files in different directories/folders (folders should be set up in the PC in advance), to manage and play files according to different types. The player supports the identification of 99 subdirectories.

1. At the Stop-submenu , directories/folders can be selected (the directories/folders can be selected in recording and playback mode).
2. Press the **Menu**-button to enter the Stop-submenu.
3. Press the **Menu**-button again, to enter "Local Folder".
4. Press the **Next**- or **Last**-button to select your desired directory/folder.
5. Press the **Menu**-button to confirm the selected directories/folders.

• Delete files (at Stop-Submenu)

In Music-, Voice- and FM-Mode (starting with step 3), the corresponding files can be deleted.

1. At the Stop-Mode:
2. Press the **Menu**-button to enter the Stop-submenu.
3. Press the **Next/Last**-button to select "Delete file" or "Delete all"
4. Press the **Menu**-button to enter the Delete-menu.
5. Press the **Next**-switch to switch between "NO" and "YES".
6. Press the **Menu**-button for confirmation and deletion starts.

- "Delete all" means, that all relevant files in the current mode in the current folder will be deleted. (For example, "Delete all" is chosen in the Music-Mode, that means that all the music files in the current folder will be deleted, while the recorded files will remain unchanged.)

- **Play-Mode (Play-submenu)**

When playing music and recorded files, different Play-Modes can be selected (such as Repeat, Shuffle, etc.)

The first option in the Play-submenu is the Play-Mode "Repeat". The player will play the files according to the selected mode. Short press the **Menu**-button to enter the Repeat-menu.

Repeat - Options:

Normal: Playback of files in the current folder in normal sequence

Repeat One: one single music-file is played repeatedly

Folder: plays all music-files in the current folder in sequence

Repeat Folder: all music-files in the current folder are played repeatedly

Repeat All: all music-files are played repeatedly

Random: plays music-files in the current folder randomly

Intro: the first 10 seconds are played of every music-file

Short press the **Menu**-button again for confirmation and to exit the current menu.

- **Tempo Rate (Play-Submenu)**

When playing music (only for MP3-files) or recorded files, different tempo rates can be set (faster or slower) without changing the tone and sound.

1. While playing music:
2. Press the **Menu**-button to enter the Play-submenu.
3. Press the **Next**-button to select "Tempo Rate".
4. Press the **Menu**-button to enter the Tempo Rate-menu.
5. Press the **Next**-button for a faster tempo rate or press the **Last**-button for a slower tempo rate.
6. Press the **Menu**-button to confirm the desired tempo rate and to exit the current menu.

- **Replay Mode**

Entry through the Play-submenu.

- ◆ **A-B Replay**

1. At Music- or Voice-Mode, while files are played:
2. Press the **Menu**-button to enter the Play-submenu.
3. Press the **Next/Last**-buttons to select the menu-item "Replay".
4. Press the **Menu**-button to enter the Replay-menu.

"A" blinks in the Replay-Mode icon A-B and the starting point "A" needs to be set.

5. Press the **Next**-button to set the starting point "A".

After "A" is set, "B" blinks in the A-B icon and the ending point "B" needs to be set.

6. Press the **Next**-button to set the ending point "B".

The A-B icon is now complete and the replay of the A-B segment begins. When the replay time reaches the time set in advance, the player will quit the Replay-Mode. (Setting of the Replay Time can be done in "Replay Times", a following menu-item.)

While in the Replay-Mode, pressing the **Last**-button, can set "A" again, in order to select another segment.

◆ **Follow Read** (this function does not exist for Voice-Mode)

1. While the A-B segment is playing, press the **Next**-button to enter the Follow Read-Mode.
2. The icon changes to the Follow Read-icon and the sound of the user is recorded. The recording time is as long as the time of the A-B segment.
3. After recording, the icon changes and the original sound is played. Press the **Next**-button to enter the comparison.

When pressing the **Last**-button, you will return to the status of "A-B Replay".

◆ **Comparison** (this function does not exist for Voice-Mode)

1. Enter this mode and the icon changes to the Comparison-icon and the recorded sound of the user is played.
2. After playing the recorded sound is finished, the icon changes again and the original sound is played.
3. After playing the original sound, the recorded sound is played again. The whole procedure will continue (without limitation of a set Replay time), until the **Menu**-button is pressed to exit.

When pressing the **Last**-button, you will return to the status of "Follow Read".

For all three above mentioned operations, pressing the **Menu**-button means to fast exit the Replay-Mode.

• **Replay times**

Short press the **Menu**-button to enter this menu (Play-Submenu).

"Replay times" means, that after the A-B segment was played for a fixed period of time, the player will automatically exit the Replay-Mode. (1 to 10 times)

Short press the **Menu**-button again to confirm the settings and to exit the current menu.

• **Replay gap**

Short press the **Menu**-button to enter this menu (Play-Submenu).

Replay Gap means the break period between different playing times (unit: seconds / 1 to 10 seconds).

Short press the **Menu**-button again to confirm the settings and to exit the current menu.

• **Reset**

If, for any reasons, your player is blocked and cannot be operated any more, you have the possibility to reset the internal firmware.

Just turn your player off and then turn it on again. Reset is automatically carried out at startup.

XII. Installing a driver for Win 98

Please note, that you do not need any driver for WIN Me / Win 2000 / Win XP !!!

But if you use WIN 98, you need to install a driver. The driver is on the CD-ROM, included in the delivery.

1. Unplug the MP3-player.
2. Insert the CD-ROM in the PC and open the folder "Driver For Win98 Users".
3. Start the installation by clicking on "Win98 Driver.Exe".
4. After the installation is completed, please restart your computer.
5. After the restart, you can connect your MP3-player to the PC and it will now be recognized automatically.

XIII. Special Recommendation

Safe removal of hardware

!!! Always follow this procedure to avoid problems with your player !!!

!!! Never unplug your player without using this procedure !!!

Before unplugging your player:

1. Double click on the "Safe Remove Hardware"-icon on the task bar.
2. From the "Safely Remove Hardware"-window, select "USB mass storage device" and click on the "Stop"-button.
3. The "Stop a Hardware device"-window will open up.
4. Click on "OK" and a "Safe To Remove Hardware"-window will now open up.
5. Click on "OK" and it is now safe to remove the USB-cable or player from the computer.

Private Space Function

Many MP3-users are puzzled over the problem of information disclosure and private data accessed by others. When others borrow the MP3-player, normally all private information should be deleted, which may cause problems.

However, the "Private Space" function, provided by this player, completely solves this serious problem. Users can divide the USB-Disk of this player with the accessory tools into two parts of any proportions (Users will see two driver letters on the PC; but SP4 should be installed for the operating system Windows 2K, otherwise only one driver letter can be seen. Without such installation, users must choose "normal only" or "encrypted only" in the "Online Mode" of the "System Setting"-Menu of the player), and one part can be encrypted as a private space, which needs a password for the access (if users do not encrypt both parts, the USB-memory will be treated as two disks.). This is the great "Private Space" function.

1. Connect the player to a PC.
2. Run the accessory installation tool "MP3 Player Disk Tool".
3. First, there is a format tool. Select the option "Partition and encrypt" and set a desired capacity for the encrypted disk, then choose the setting of username and password. Fill the username in the blank field of "New username" and the password in the blank field of "New password", then write the same password again in the blank field of "New password Confirm". After the above operation is finished, click on "Start" and the partition begins.
4. After the partition is finished, click on "OK", then restart the PC.
5. After restarting the PC, two disks will be displayed (only one driver letter will be displayed for Windows 2K SP4). Click to access the encrypted disk.

6. Run the executable file "RdiskDecrypt.exe" and write the username and password into the dialog box. If they are correct, the disc can be accessed and files can be copied.

7. Username and password are required to access the encrypted disk with every connection to a PC.

*** Note:**

Dividing one disk into two parts may erase the data in it. Please backup the data in the disk before the partition. And merging two parts to one disk may also erase the data.

*** Warning:**

Do not lose your username or password. Otherwise, you will not be able to access the encrypted disk. You will have to merge the two parts in order to erase the encrypted disk and the data in it will be lost.

Trouble Shooting

No sound is heard from the headphone	<ul style="list-style-type: none">• Check whether the volume is set on "0" and connect the headphone plug firmly.• Check whether the headphone plug is dirty.• Corrupted MP3 may cause a static noise and the sound may be cut off. Make sure, that the music files are not corrupted.
Characters in the display are incorrect	<ul style="list-style-type: none">• Check if the right language was selected.
Poor FM reception	<ul style="list-style-type: none">• Adjust the position of headphone and player.• Turn off the power of other electric devices near the player.• The headphones can be used as an antenna.
Download of music files fails	<ul style="list-style-type: none">• Check whether the USB-cable is damaged and if it is connected properly.• Check whether the driver was installed correctly.• Check whether the player's memory is full.
The player cannot be turned on	<ul style="list-style-type: none">• Check if the player was turned on, and the switch is on the position "on".
The player is totally blocked	Reset the firmware, as explained above (see article "Reset")

Technical Details

Dimensions	31 mm x 80 mm x 12 mm	
Weight	25 g (excluding battery)	
Display	Lattice (128*64) OLED	
USB speed	High Speed: USB 2.0 (Read: 1033 K Byte/s, Write: 955 K Byte/s)	
EMS memory	Flash memory:128/256/512 mb, 1 gb	
Power Supply	Rechargeable Lithium battery	
Recording	Sample rate Recording format Recording time	8 KHz WAV (32K bps), ACT (8K bps) 35 hours (ACT, 128 M Flash)
MP3, WMA, WMV, ASF	Max. output headphones MP3 Bit rate WMA, WMV, ASF Bit rate Frequency Response SNR	(L) 10mW + (R) 10mW (320hm) 8K bps – 320K bps 5K bps – 384K bps 20Hz to 20 KHz 85dB
FM-Radio	Receiving Frequency range Total stations (saving) Max. output headphones SNR	76MHz – 96MHz / 87MHz – 108 MHz 20 + 20 (L) 10mW + (R) 10mW (320hm) 45dB
Music formats	MP1, MP2, MP3, WMA, WMV, ASF, WAV	
Working temperature	-5 up to +40°C	
Supported operating systems	Windows98/SE/ME/2K/XP	

Note:

Product design and specifications may change without notice.

Rechargeable batteries have a limited number of charge cycles and may eventually need to be replaced. Battery life and number of charge cycles vary, due to use and settings. Your battery has a one year warranty.